

CLAIMS

What is claimed is:

- Claim 1. An agrochemical composition comprising an agrochemical active
5 ingredient and cyclic amines or cyclic amides having at least one tertiary amine
group or tertiary nitrogen, as an amine or amide adjuvant.
- Claim 2. The agrochemical composition of claim 1 wherein said agrochemical
active ingredient is selected from the group consisting of paraquat, diquat,
glyphosate, fomesafen, thiamethoxam, mesotrione, trifloxysulfuron or mixtures
10 thereof.
- Claim 3. The agrochemical composition of claim 2 wherein said agrochemical
active ingredient is paraquat or diquat or mixtures thereof.
- Claim 4. The agrochemical composition of claim 3 wherein the concentration of
the paraquat or diquat or mixtures thereof is greater than 100 g/l.
- 15 Claim 5. The agrochemical composition of claim 1 wherein said amine or amide
adjuvant is selected from the group consisting of quinuclidine or a salt thereof, N-
(aminopropyl)morpholine or salt thereof, 1-(2-hydroxyethyl-2-imidazolidinone) and
aminoethylpiperazine or a salt thereof.
- Claim 6. The agrochemical composition of claim 1 wherein the ratio by weight
20 of the amine or amide adjuvant to the agrochemical active ingredient is preferably
from 1:20 to 10:1.
- Claim 7. The agrochemical composition of claim 1 wherein the ratio by weight
of the amine or amide adjuvant to the agrochemical active ingredient is preferably
from 1:10 to 1:2.
- 25 Claim 8. The agrochemical composition of claim 4 which further comprises
from 10 to 400 grams per litre, of an electrolyte purgative
- Claim 9. The agrochemical composition of claim 8 wherein said electrolyte
purgative is magnesium sulphate.
- Claim 10. The agrochemical composition of claim 8 which further comprises an
30 alginate which is a pH-triggered gelling agent such that a pH-triggered gel effect
takes place at the acid pH of human gastric juice.
- Claim 11. The agrochemical composition of claim 9 which comprises from 10 to
100 grams per litre of magnesium sulphate as an electrolyte purgative.
- Claim 12. The agrochemical composition of claim 1 which further comprises a
35 second adjuvant.

Claim 13. The agrochemical composition of claim 12 wherein said second adjuvant is a surfactant.

Claim 14. The agrochemical composition of claim 13 wherein said surfactant is selected from the group consisting of alkyl polyglycosides, betaines, alkylethoxy
5 phosphates and salts thereof, alcohol ether carboxylic acids and salts thereof, alcohol ether sulphates and salts thereof.

Claim 15. The agrochemical composition of claim 12 wherein said second adjuvant is present at a lower concentration than said amine or amide adjuvant.

Claim 16. The agrochemical composition of claim 15 wherein said second
10 adjuvant is selected from the group consisting of alcohol ethoxylates, amine ethoxylates, amine oxides and cationics such as quaternary ammonium salts.

Claim 17. The agrochemical composition of claim 16 wherein the ratio by weight of the amine or amide adjuvant to the second adjuvant ranges from about 50:1 to 1:50.

15 Claim 18. The agrochemical composition of claim 17 wherein the ratio by weight of the amine or amide adjuvant to the second adjuvant ranges from about 10:1 to 1:10.

Claim 19. The agrochemical composition of claim 16 wherein the ratio by weight of the amine or amide adjuvant to the second adjuvant ranges from about 1:1 down
20 to 1:25.

Claim 20. The agrochemical composition of claim 19 wherein the ratio by weight of the amine or amide adjuvant to the second adjuvant ranges from about 1:4 to 1:15.

Claim 21. The agrochemical composition of claim 12 wherein the ratio by weight of the amine or amide adjuvant and the second adjuvant to the agrochemical active
25 ingredient is preferably from about 1:10 to 10:1.

Claim 22. The agrochemical composition of claim 21 wherein the ratio by weight of the amine or amide adjuvant and the second adjuvant to the agrochemical active ingredient is preferably from about 1:5 to 10:1.